

Special Issue

New Advances in Cold Atmospheric Plasma Technologies

Message from the Guest Editors

Cold atmospheric plasma (CAP) is a promising and rapidly emerging technology for a wide range of applications from daily life to industry. Its key advantage is its unique ability to effectively deliver reactive species to subjects including biological materials, liquid media, aerosols, and manufactured surfaces. It has been widely applied in agriculture, medicine, the environment, materials, catalysis, and energy. The mechanisms of generation and transport of the key reactive species between plasma and its application objects need to be urgently explored. In this context, this Special Issue aims to collect scientific contributions related to the plasma development of novel technologies, fresh ideas/concepts/mechanisms, expanded multidisciplinary studies, and new applications. Research and review papers are welcomed. Suitable topics include, but are not limited to, the following:

- Biomedical applications and mechanisms;
- Plasma technologies for agriculture;
- Environmental applications;
- Surface modification;
- Plasma catalysis;
- Plasma for energy applications.

Guest Editors

Dr. Zhitong Chen

1. Institute of Biomedical and Health Engineering, Shenzhen Institute of Advanced Technology, Chinese Academy of Sciences, Shenzhen 518055, China
2. Advanced Therapeutic Center, National Innovation Center for Advanced Medical Devices, Shenzhen 518100, China

Dr. Jamoliddin Razzokov

1. Laboratory of Technical Ceramics and Heat Resistance Materials, Institute of Material Sciences, Academy of Sciences of Uzbekistan, Tashkent 100084, Uzbekistan
2. Institute of Fundamental and Applied Research, National Research University TIAME, Tashkent 100000, Uzbekistan

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Editorial Office
MDPI, Grosspeteranlage 5
4052 Basel, Switzerland
Tel: +41 61 683 77 34
processes@mdpi.com

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Editor-in-Chief

Prof. Dr. Giancarlo Cravotto

Department of Drug Science and Technology, University of Turin, Via P. Giuria 9, 10125 Turin, Italy

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